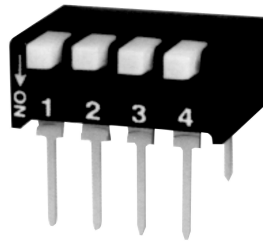


DPH SERIES

LOW PROFILE PIANO STRAIGHT TAIL "IC" TYPE



◆ Features

- Edge actuated type is (PIANO TYPE) easy setting on closely racked PCB.
- Tactile response is performed directly by larger contact pressure to ensure stable contact.
- All UL 94V-0 fire retardant plastics used.
- Bottom epoxy sealed to ensure free of flux immersion during wave soldering.
- Contact wiping on make and break.
- Gold plated or Tin plated contacts to ensure low contact resistance and long mechanical life and tin plated in solder area (**tin/gold**).
- Ideal for data processing, communications, remote controls and burglar alarm system use, where manual programming required.

◆ Applications

- Numerical setting for computer terminal equipment.
- Price setting for vending machines.
- Programming for game machines.
- Programming for industrial equipment and measuring instruments.

◆ Specifications

1. ELECTRICAL

1-1 Contact Rating	
- switching	: 25 mA, 24 VDC
- non-switching	: 100 mA
1-2 Contact Resistance	
- initial	: 50 mΩ max.
- after life test	: 100 mΩ max.
1-3 Insulation Resistance	: 1000 MΩ min. at 100 VDC
1-4 Dielectric Strength	: 500 VDC for 1 min.
1-5 Capacitance between adjacent switches	: 5pF max.

2. MECHANICAL and ENVIRONMENTAL

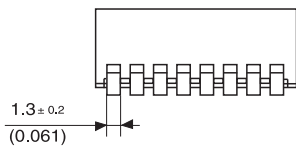
2-1 Temperature rating	
- operating	: -25°C to +70°C
- storage	: -40°C to +85°C
2-2 Operating force	: 800 g max.
2-3 Mechanical life	: 1000 operations
2-4 Humidity	: 95% RH, 40°C for 96 hours
2-5 Vibration	: Per MIL-STD-202F, method 204D
2-6 Solderability	: 95% coverage after 230°C +/- 5 for 5 sec.
2-7 Soldering temperature	: 260°C max. for 5 sec.

◆ Dimensions and circuitry

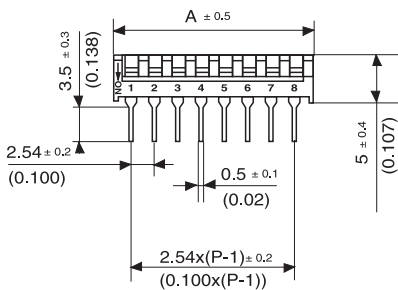
DIMENSION A

Position	2	4	6	8	10
A	6.5 (0.256)	11.6 (0.457)	16.7 (0.657)	21.7 (0.854)	26.7 (1.051)

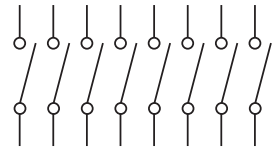
Unit: mm (inch)



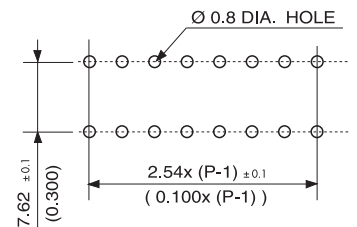
Actuator top side "OFF"



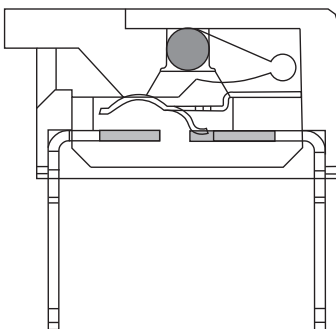
◆ Circuit Diagram



◆ P.C.B. LAYOUT (TOP VIEW)

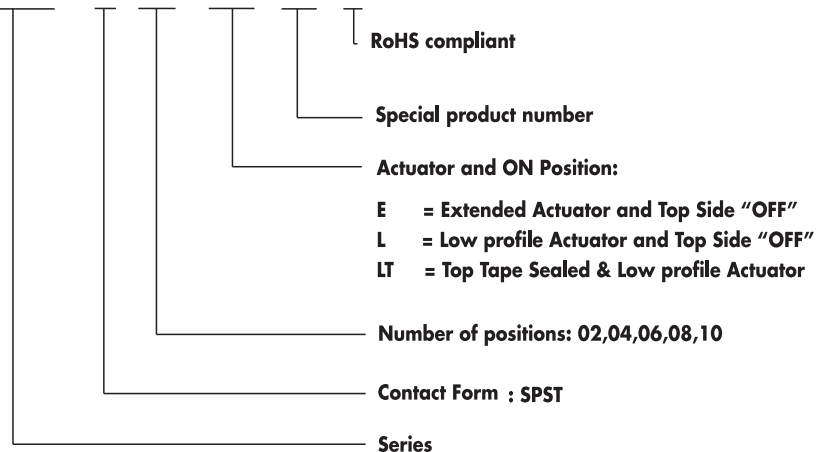


◆ Construction



◆ Part Numbering System

DPH - 1 04 - XX 00 Z



◆ Options

1. Special top or side marking available
2. Blue or black body color
3. Normal "ON" (top side "ON") available

